

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 July 2002 (25.07.2002)

PCT

(10) International Publication Number
WO 02/057454 A2

(51) International Patent Classification⁷: **C12N 15/12**,
C07K 14/705, C12N 5/10, A01K 67/027, C07K 16/28,
C12Q 1/68, A61K 38/17, G01N 33/68, A61K 39/395

(21) International Application Number: PCT/US02/01339

(22) International Filing Date: 16 January 2002 (16.01.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/262,838 19 January 2001 (19.01.2001) US
60/265,927 2 February 2001 (02.02.2001) US
60/271,196 23 February 2001 (23.02.2001) US
60/274,549 9 March 2001 (09.03.2001) US
60/334,179 28 November 2001 (28.11.2001) US

(71) Applicant (for all designated States except US): **INCYTE GENOMICS, INC.** [US/US]; 3160 Porter Drive, Palo Alto, CA 94304 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEE, Ernestine, A.** [US/US]; 624 Kains Street, Albany, CA 94706 (US). **WALIA, Narinder, K.** [US/US]; 890 Davis Street, #205, San Leandro, CA 94577 (US). **BAUGHN, Mariah, R.** [US/US]; 14244 Santiago Road, San Leandro, CA 94577 (US). **AZIMZAI, Yalda** [US/US]; 5518 Boulder Canyon Drive, Castro Valley, CA 94552 (US). **TANG, Y., Tom** [US/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). **YUE, Henry** [US/US]; 826 Lois Avenue, Sunnyvale, CA 94087 (US). **THANGAVELU, Kavitha** [IN/US]; 1950 Montecito Avenue, #23, Mountain View, CA 94043 (US). **XU, Yuming** [US/US]; 1739 Walnut Drive, Mountain View, CA 94040 (US). **ARVIZU, Chandra** [US/US]; 490 Sherwood Way, #1, Menlo Park, CA 94025 (US). **WARREN, Bridget, A.** [US/US]; 1030 Parkwood Drive, #2, Cupertino, CA 95014 (US). **YAO, Monique, G.** [US/US]; 1189 Woodgate Drive, Carmel, IN 40633 (US). **AU-YOUNG, Janice** [US/US]; 233 Golden Eagle Lane, Brisbane, CA 94005 (US). **HAFALIA, April, J., A.** [US/US]; 2227 Calle de Primavera, Santa Clara, CA 95054 (US). **ELLIOTT, Vicki, S.** [US/US]; 3770 Polton Place Way, San Jose, CA 95121 (US). **KALLICK, Deborah, A.**

[US/US]; 900 Olive Street, Menlo Park, CA 94025 (US). **GANDHI, Ameena, R.** [US/US]; 705 5th Avenue, San Francisco, CA 94118 (US). **RICHARDSON, Thomas, W.** [US/US]; 616 Canyon Road, #107, Redwood City, CA 94062 (US). **KHAN, Farrah, A.** [IN/US]; 9445 Harrison Street, Des Plaines, IL 60016 (US). **LU, Yan** [CN/US]; 3885 Corrina Way, Palo Alto, CA 94303 (US). **SWARNAKAR, Anita** [CA/US]; 8 Locksley Avenue, #5D, San Francisco, CA 94122 (US). **RAMKUMAR, Jayalaxmi** [IN/US]; 34359 Maybird Circle, Fremont, CA 94555 (US). **NGUYEN, Dannel, B.** [US/US]; 1403 Ridgewood Drive, San Jose, CA 95118 (US). **GRAUL, Richard, C.** [US/US]; 682-29th Avenue, San Francisco, CA 94121 (US). **LU, Dyung, Aina, M.** [US/US]; 233 Coy Drive, San Jose, CA 95123 (US).

(74) Agents: **HAMLET-COX, Diana et al.**; Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA 94304 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report
- with sequence listing part of description published separately in electronic form and available upon request from the International Bureau

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RECEPTORS AND MEMBRANE-ASSOCIATED PROTEINS

(57) Abstract: The invention provides human receptors and membrane-associated proteins (REMAP) and polynucleotides which identify and encode REMAP. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with aberrant expression of REMAP.



WO 02/057454 A2